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Product Data Sheet

Power Distribution Terminal Blocks
Catalog Number: 1492-100Y



Ratings:

175 Amps
600 Volts AC/DC
Panel Mount

Wire Range:

Line Side: (1) 2/0 - #14 AWG
Load Side: (1) 2/0 - #14 AWG

Agency Approvals:

- UL Recognized, UL 1059 Terminal Block Standard – File #XCFR2.E40735
- CSA Certified, CSA C22.2 No. 158 (Wire Class B & C only)
- CE Compliant to IEC 60947-7-1
- RoHS Compliant

Electrical Ratings:

- 175 Amp Copper Wire (Based on NEC Table 310-16, 75°C Column)
- 600 Volts AC/DC (UL 1059 Class C, User Group – General Industrial)
- Factory and Field Wiring

Mechanical Ratings:

Mounting Information:

- Panel Mount: #10 Fastener, Torque to 25-30 in-lbs
- Terminal Keys Needed: 5/16"

Thermal Information*:

- Storage Temperature range:
 - -35°C to 110°C (-31°F to 230°F)

- Max. Insulator base temperature: 150°C (302°F) UL RTI
- Flammability rating of insulator base and base plate: UL 94 V-0

* Use outside these ratings needs to be judged in the end-use application.

Materials:

- Connector: High Conductivity Aluminum, Tin-Plated
- Insulator Base: Phenolic
- Terminal Set Screws: Aluminum, Tin-Plated
- Connector Mounting Screw: Steel, Zinc-Plated

Accessories:

- Clear Protective Plastic Cover. Catalog Number: 1492-PBC4
- Marking Strip: White vinyl strip to mark circuits (Supplied with block)



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Short Circuit Current Ratings (Copper Wire Only): Default Rating 10kA if not listed in table:

Wire Range (AWG)		Max Fuse Protection Requirements Amp Rating / Class						SCCR RMS Amps (600V Max)
Line	Load	J	T	RK1	RK5	G	CC	
2/0 - 6	2/0 - 6	300	300	200	100	60	30	65,000

Wire Approvals:

Line Side Wire Approvals:

- Wire Strip Length, Line Side Tap – 3/4"



Wire Size (AWG)	Torque (In-lbs)	UL Copper Wire Stranding Classes - Number of Strands						
		Solid	Class B	Class C	Class G	Class H	Class I	Class K
2/0	120		19	37				
1/0	120		19	37				
1	120		19	37	133*	259*	210*	836*
2	120		7	19	49*	133*	161*	665*
4	120		7	19	49*	133*	105*	420*
6	120		7	19	49*	133*	63*	266*
8	40		7	19	49*	133*	41*	168*
10	35	1	7	19			27*	104*
12	35	1	7	19			19*	65*
14	35	1	7	19			19*	41*

Load Side Wire Approvals:

- Wire Strip Length, Load Side Tap – 3/4"



Wire Size (AWG)	Torque (In-lbs)	UL Copper Wire Stranding Classes - Number of Strands						
		Solid	Class B	Class C	Class G	Class H	Class I	Class K
2/0	120		19	37				
1/0	120		19	37				
1	120		19	37	133*	259*	210*	836*
2	50		7	19	49*	133*	161*	665*
4	45		7	19	49*	133*	105*	420*
6	45		7	19	49*	133*	63*	266*
8	40		(1-2) 7	(1-2) 19	49*	133*	(1-2) 41*	(1-2) 168*
10	35	1	(1-2) 7	(1-2) 19			(1-2) 27*	(1-2) 104*
12	35	1	(1-4) 7	(1-4) 19			(1-2) 19*	(1-2) 65*
14	35	1	(1-4) 7	(1-4) 19			(1-2) 19*	(1-2) 41*

* Quantity of wire stands for classes G, H, I, K may vary by manufacturer





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Product Dimensions / Drawings:

<p>1 1/8 [29.60]</p> <p>2 7/8 [73.03]</p>	<p>1492-100Y POWER BLOCK, STANDARD FEED-THROUGH/SPLICER BLOCK 1 POLE, 1 LINE-1 LOAD, 175 AMPS</p>
<p>1 25/32 [45.24]</p>	